Descriptions on how we modified the template to conduct the testing

To conduct the testing, we have utilized the CI-Java-Maven-Template and its *runAndTest* helper function to test for different cases. We then ran the test script through Maven.

Within the ***runAndTest*** helper function, there are four parameters:

1. **The first parameter is unchanged:** a list of string as the terminal input to run the program
2. **The second parameter is:** a list of valid accounts to be used for the test case.
    a. For testing purposes, to simulate having accounts in the valid account list, we have created a specific pattern of such.
    b. Our pattern for valid account lists is: `"<account no.>", "<account name>", "<balance>"`.
        i. As an example, `"1010201", "adjakjsd", "1000"` denotes one account (account no.: 1010201) existed in the valid account list.
    c. If there are multiple accounts existing, the next account just continue this pattern, followed by the previous account in the list.
        i. As an example, `1000001","aaaaa","1000000","1000002","bbbbb","1000000"` denotes two accounts (account no.: 1000001 and 1000002) existed in the valid account list.
3. **The third parameter is unchanged:** A list of string expected at the tail of terminal output
4. **The fourth parameter is unchanged:** A list of string expected to be in the output transaction summary file.

Finally, for the sake of conducting the testing better, we modified the tests a bit by eliminating some unreasonable ones, so it fits out program better.

Documentation explaining the script and testing process

The ***AppTest.java*** is a testing program that contains the implementation of *all* of our test cases that we created from Assignment #1.

You may notice that there are lots of methods within this program. The following documentation's sake is to guide you through them.

The methods that are under the "`//Login`" comment correspond to the test cases for the *Login* operation.

- Each method (e.g. R1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (Login.pdf).
- The naming convention of the method is the same as the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (Login.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//Logout`" comment correspond to the test cases for the *Logout* operation.

- Each method (e.g. loR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (Logout.pdf).
- The naming convention of the method is: "lo" (shorthand for logout) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (Logout.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//Create Account`" comment correspond to the test cases for the *createacct* operation.

- Each method (e.g. crR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (CreateAcc.pdf).
- The naming convention of the method is: "cr" (shorthand for createacct) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (CreateAcc.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//Delete Account`" comment correspond to the test cases for the *deleteacct* operation.

- Each method (e.g. delR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (DeleteAcc.pdf).
- The naming convention of the method is: "del" (shorthand for deleteacct) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (DeleteAcc.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//deposit`" comment correspond to the test cases for the *deposit* operation.

- Each method (e.g. deR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (Deposit.pdf).
- The naming convention of the method is: "de" (shorthand for deposit) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (Deposit.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//withdraw`" comment correspond to the test cases for the *deposit* operation.

- Each method (e.g. wiR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (Withdraw.pdf).
- The naming convention of the method is: "wi" (shorthand for withdraw) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (Withdraw.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//Transfer`" comment correspond to the test cases for the *deposit* operation.

- Each method (e.g. trR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (Transfer.pdf).
- The naming convention of the method is: "tr" (shorthand for transfer) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (Transfer.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.

The methods that are under the "`//TransactionSummary`" comment correspond to the test cases for the *TransactionSummary* operation's constraints.

- Each method (e.g. tsR1T1) corresponds to one of the corresponding tests (e.g. R1T1) inside the test case table (Transaction Summary.pdf).
- The naming convention of the method is: "ts" (shorthand for Transaction Summary) followed by the Test No. (e.g. R1T1) in the table.
- You may wish to review the Test Cases Tables PDF (Transaction Summary.pdf) that we submitted for Assignment #1 to view each of the details (e.g. test purpose, input, output) for each corresponding test from the table.